

Volume 22

An ARCEC Monthly Publication

January 2013

Issue 1

Counterpoise Editor - Joe Bennett KJ6VMX

HRO Hosts Pre-Kids Day, ARCEC Members Assist



On January the 5th, 2013 the Amateur Radio Club of El Cajon held a Pre-Kids Field Day hosted by Ham Radio Outlet in Kearny Mesa. A number of club members were in attendance and were able to interact with several kids at the store. Some of those in attendance where Joseph (KI6TTF), Dave (KI6GRN), Joseph (KI6UPY), Jack (N6FUG), Margaret (KJ6BFT), Paul (KJ6BYF), Pat (WA6MHZ), and Joe (KJ6VMX). Also attending where Peter (KJ6VCM) and his son Mathew, and Quinn (KJ6LAT). We were all able to visit and had a great time chatting with other Hams and various customers at the store. We passed out a number of the club tri-fold flyers to interested potential Hams/members. Jerry, Joe, and Ron were very helpful and cordial in hosting Kids Day at HRO, and their patience in making us all welcome was very much appreciated by all the club members who helped out over the allotted time we spent there. Again, thanks to HRO and to all those who helped out by being there. Good job! Also, you might look further in this issue ([see page #7](#)) for an announcement regarding the upcoming HRO swap meet in March. See you there.

Joe KJ6VMX - Counterpoise Editor

ARCEC Repeater Frequencies

2 Meter Repeater	220 MHZ Repeater	440 MHZ Repeater
TX 146.475	TX 220..480	TX 440.900
RX 147.420	RX 224.080	RX 445.900
Offset .945	Offset 1.6	Offset 5.00
PL 107.2	PL 107.2	PL 107.2

Come join us at our next meeting

February 14th 2013

At

First Lutheran Church

867 S. Lincoln Ave.

El Cajon, CA

Mystery of the Masthead for December

By Joe -KJ6VMX - Counterpoise Editor

Located in Imperial Beach is one of several Wullenweber antenna arrays. Also known as "The Elephant Cage", this was originally used for Radio Direction Finding, and



for its day, did a pretty good job of locating signals from sometimes thousands of miles away. There were sixteen AN/FRD-10 high-frequency direction-finding arrays built by the United States and Canada during the 1960s and 1970s. The arrays operated in the range of 2 to 32 MHz. Their function was to detect, monitor, and plot the location of Soviet submarines and other radio emitters in the Atlantic and Pacific oceans. The largest array was some 260 m in diameter, 36 m high, and sat on a ground plane of 390 m diameter, with a two story building at its center, housing the main equipment and operators. Naval Security Group Activity San Diego's history began on May 20, 1920, when the Secretary of the Navy authorized a Navy Radio Compass Station to provide navigational aid at Imperial Beach. In 1932, the unit was renamed Navy Direction Finder Station, and in 1940, a permanent Direction Finding (DF) station was established on the Coronado Strand Military Reservation. By 1953, the station known as Naval Radio Receiving Station Imperial Beach became the Naval Security Group Department of Naval Communication Station San Diego. In 1965, the Wullenweber Circular Display Antenna Array, the last built, was commissioned at Imperial Beach. Finally, in 1998, Naval Security Group Activity San Diego was commissioned. The array was closed 30 Sep 1999. More information can be found by doing a search on Google for "[Circular antenna in Imperial Beach](#)". You can even find schematics of the antenna arrays, and much more technical information too.

Now, see if you can figure out where this month's Masthead was taken, and what it has to do with Amateur Radio. Please feel free to send me your comments at www.counterpoise@wa6bgs.us. Thanks all....



Secretary's Ramblings

By Paul Thompson – KJ6BYF

Welcome to the first of what I hope to be a monthly recap of the activities of the Amateur Radio Club of El Cajon. I will be reporting the highlights of the General Meeting and the Board of Directors meeting. Please note that this column is not the official minutes of any meeting. I might even throw in a few of my own opinions here and there. (When I do that I will let you know that they are my opinions and only my opinions!) OK! Here we go...

The program for the January meeting was presented by Earl Towson, N1QI. The title was "The Sun – A Users Guide". What a learning experience. Solar Flux Index, A-index, K-index, Sunspot Number, Solar Wind, Flares, Coronal Mass Ejections, Gamma Rays, X-Rays, Sigmoids, Solar Wind, Solar flux, Geomagnetic Storms, Sudden Ionospheric Disturbances, and more! There was a lot of great information. Thanks Earl!

During the business portion of January's general meeting:

- Approved the budget for 2013.
- Announced that our club logo is now a registered trademark.

- Announced that [LaDona Harvey](#) (a KOGO radio personality) posted a link to our website and plugged the Kids Field Day at [HRO](#).
- Announced that several items were for sale from Virgil Patton's (K7VP) estate. Contact Tom, N6JOJ for details.

On a sad note, it was announced that Roy Stark (KF6NQG) and Lou Dunn (WA6RD) have become silent keys. Our thoughts are with their families.

OK! Here it is! MY Opinion Section! Let's talk about our net participation! Other than Axel's Donut Net on Mondays, Frito's Wide Open Net on Tuesday's, and Frito's 10M net on Thursday's, the WAMO nets on Wednesday and Saturday are hurting. Every member has a WAMO number and there is an award given for WAMO contacts. Wednesday and Saturday are great opportunities to earn that award. You even get additional awards for more WAMO's. We need more participation on those nets. You never know who may be lurking out there, just listening. One of my personal New Year's resolutions is to get on those nets more this year. I'm guilty of a lot of lurking, not talking. So, get on! Participate! Talk it up! Oh, by the way, we need a net control operator for the Wednesday night WAMO net.

END MY Opinion Section!

Until next time.

Amateur Radio Club of El Cajon Club Nets

Day	Time	Name	Description	Net Control	Repeater
Sunday					
Monday	7:00 pm	Donut Net	Trivia & general interest questions	KI6RRN Axel	ARCEC
Tuesday	8:00 pm	Wide Open Net	Almost anything goes with Frito	N6WKB Frito	ARCEC
Wednesday	8:00 pm	WAMO Net	WAMO contacts, roundtable, buy-sell, swap, 73 round	KI6LAT Quinn	ARCEC
Thursday	7:00 pm	Fritos 10 Meter Net	Starts on 10M and moves to 2M	N6WKB Frito	ARCEC
Friday					
Saturday	8:00 pm	WAMO Net	Roundtable, sell-buy-swap, club news, 73 round	KJ6BFT Margaret KJ6GOO Heather	ARCEC

Work All Members Once



WA6BGS web site - interesting happenings

A few changes have been made that should allow readers to more easily obtain the very latest issues of the Counterpoise. First, look in the upper left area of the main page. There you will find a link directly to the Dropbox the Counterpoise is now stored in. Also, there is a link on the right side middle area named “Counterpoise” too. This takes you to the exact same place. Once in the Dropbox you can download and view the very latest releases at your convenience. Check out the important club related documents, minutes, reports, and other vital information available to all members of ARCEC. See what’s coming up in 2013 and get ready for some great events. Your participation is requested.

All this and more at www.wa6bgs.us TODAY!!!!

A Few Recent Photos



Mathew & Peter (KJ6VCM) @ HRO Kids Day



Jack (N6FUG) atop Cowles Mt.
Cell towers in background



Guest speaker Earl Towson (N1QI) @ January meeting
just after presenting "The Sun - A Users Guide"



The Wullenweber DF Antenna in Imperial Beach

ARCEC Contact Information:

Web Site: www.wa6bgs.us

President: president@wa6bgs.us

Vice President: vicepresident@wa6bgs.us

Secretary: secretary@wa6bgs.us

Treasurer: treasurer@wa6bgs.us

Counterpoise: counterpoise@wa6bgs.us

Club Phone number is **619-663-6011**

Monthly Amateur Radio License Exam

1st Saturday of the Month Amateur Radio Club of El Cajon, Inc.

El Cajon First Lutheran Church, 867 South Lincoln, El Cajon, CA 92020 9:00 AM
Contact Gereld N. Madsen - Jerry KI6PLH, (619) 766-9177 (walk-ins welcome).

How to find the exam site

From the West: Take I-8 East, Exit El Cajon Blvd/Chase Ave. At the end of the ramp, turn right onto Chase Avenue. Go about 1.5 miles to South Lincoln Avenue. Lincoln will be 1 block after Avocado Drive. Turn left on South Lincoln. We are 2 blocks up on the right.

From the East: Take I-8 West, Exit Mollison Avenue. Go South on Mollison about 2 miles to Washington. Turn right on Washington. Go 1 block and turn left on South Lincoln. We are 1 block up on the left.

Important!! Get your free FRN ID from the FCC

Be sure to visit the FCC web site and obtain your FRN identification prior to coming to take your exam. You will need it to show you have registered with the FCC, and so that we can send your exam results to them for processing and licensing.

Santee Swap Meet First Saturday of each month

Santee Electronics Swap Meet is the first Saturday of each month at Santee Drive-In east side of Highway 67, South of Riverford Rd. in Santee, CA Starting at 6:30 AM, talk-in 146.520, Buyers \$1.00 Find out more information at EL Cajon ARC website at www.WA6BGS.US. Club stall is open for buyers/sellers from 6:30 am until 9 am. Please feel free to bring your own Ham related items to sell at the Club stall. Just remember that you must stay with your items until they sell, or take them with you when you leave,. Many thanks to N6JOJ (Tom) for his fine work.

Notice of Disclaimer

All companies mentioned in the Counterpoise are done as a courtesy and a convenience to both the membership and the company. No compensation has been solicited and none has been accepted, and no endorsement has been made.

Joe - KJ6VMX - Counterpoise Editor

Ham Radio Outlet Swap Meet is Coming in March

(Info from [Six Shooters](#) web site, with thanks!!)

**Contact Info: Joe Acevedo, N6SIX Ham Radio Outlet, San Diego
858-560-4900**

Email: ws3sd@hro.net

After almost 2 years, the Swap Meet is returning to HRO San Diego. Many in the local community have asked for it, so here it is:

HRO SAN DIEGO SWAP MEET

DATE: Saturday March 9, 2013

TIME: 0800 - 1400

WHERE: 5375 Kearny Villa Road, San Diego, CA 92123. Parking lot in front of the store along the boulevard.

REGISTRATION: Registration opens at 10am on Monday, January 14, 2013 and closes on Thursday, February 28, 2013 .



Seller Spaces are limited (25). RESERVATIONS ARE REQUIRED. RESERVATIONS will be taken either in-person or via telephone only. Once all available spaces have been reserved a list of alternate sellers will be established. The alternate sellers will be contacted in the order listed in the event of a reservation being canceled PRIOR to the Swap Meet date. Alternates will not be contacted on the day of the Swap Meet. Sellers agree to abide by the rules and guidelines established.

Sellers will receive event-day instructions via email approximately one week prior to the Swap Meet.



**5375 Kearny Villa Road #113
San Diego, CA 92123
Store Hours:
10AM-5:30PM Mon - Sat
Telephone hours:
9:30AM-5:30PM Mon-Sat**

**Articles for Amateur Radio Newsletters aimed at new hams
written by [Gerry Crenshaw](#), WD4BIS, Rowlett, Texas**

NHP #7: Test Equipment Stuff. Do I need it?

What's all this test equipment stuff anyway.! Do I need Test equipment for the shack? What kind of Instruments do I need?

As we get into this hobby, sooner or late we are faced with the prospect of needing some basic test equipment. It's true that due to the complexity of our radios, the "State of the Art" has advanced to such a high degree that most repairs have been taken out of our hands. Do you still need any test and measuring equipment in the shack? You can always take it to the repair shop and pay \$50.00 an hour to get it fixed.

If your equipment runs on AC or DC there is still the need for a volt/ohmmeter in the shack. Many of the problems that are encountered with our equipment all have to do with power. We use Batteries, Power supplies and Connectors of all kinds. Being able to do GO/NO GO checks can quickly prove were the problem really is, and can save you lots in repair bills. There is nothing worse than a repair ticket with "No problem found" or "Operator in error" or "Loose nut in front of control".

More often than not, problems with a handi-talkie can be traced to a Mechanical connection between the battery and a radio. Being able to prove that the battery is good with a VOM (Volt-Ohm-Meter) or DVM (Digital Volt Meter) prior to looking for a problem like this helps with the troubleshooting process. For many of us who have base radios, when a problem occurs there are usually several test points in the radio that the manufacturer may want checked before they make a suggestion as to a repair action. Some manufactures such as Ten-Tech, when calling the technical support hot-line with a problem will ask for several voltage readings. If there is one "Must Have" in the shack, it's a basic VOM/DVM. Many manufactures make them and the prices vary from \$30.00 to several hundred dollars. Depending on your needs and skills the VOM/DVM can be of great asset in troubleshooting.

Analog Vs Digital

Of the Meters on the market what type is best for you? For those of us who have used them awhile the older Meter Movement VOM is the instrument of choice. It can be used to check AC and DC voltages, AC and DC Amperages, Check continuity of conductors and connectors and Resistance's and will check most semiconductors with a "front to back" check. The DVM will do all of the above checks, The display reads directly and in plain numbers, but the semiconductor check is based on a front to back voltage reading rather than a resistance reading. Some of the high end meters by Fluke will even read capacitance and frequency to 10,000 hertz. Another difference with the DVM is the input impedance is very high so it won't load the circuit being tested. For most applications this is good. For others this can fool you in that it will read leakage voltages that don't show up with a VOM.

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Power and SWR Meters

Another instrument in the shack that becomes a "Must Have" for most of us is the Power/SWR Meter. This meter is used to check the output power of a radio and also to check the Standing Wave Ratio (SWR) or Forward to Reflected power ratio of our transmitters. The name of the game here is to put Radio Frequency energy into the air. If you have a high standing wave, power is not being put into the air but the power is being reflected back toward your radio and that it has to throw off as heat. The better the SWR of your station radio and antenna system the more efficiently it is working.

Power/SWR meters come in a variety of sizes, shapes and prices from the inexpensive version sold by Radio Shack to the lab quality instruments built by Bird and Botonin. Many of these instruments are designed for specific application or range of measurement such as VHF/UHF only or HF only. Depending on your use, care should be observed and follow the manufacturer's recommendation. These instruments are broken up into two broad types, the Single meter and Dual Meter types. The dual meter shows forward and reflected power simultaneously and where the needles cross is the SWR. The single meter type has to a switch that changes the polarity of the sensing diode so forward and reflected power are shown as two separate measurements.

Before purchasing one of these instruments consider the highest power you will be running. Many of these instruments come in Low watt versions. Test instruments for many of the basic measurements will keep the station running at peak efficiency and can warn you to of degrading or marginal performance.

Keep that station running

Gerry WD4BIS



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This article is the first in a series to be included in the Counterpoise as an informational service to our readers, and is used with the approval and kind permission of the author, Gerald Crenshaw WD4BIS. Look for another next month, and please feel free to send comments to the author or to the Editor of the Counterpoise.

Gerald Crenshaw Email - wd4bis@arrl.net

Counterpoise Editor Email - counterpoise@wa6bgs.us

The Quest for a Vanity Call

by

Joe - KJ6VMX (currently)

Since moving up to General in October of 2012, I have thought about putting in for a Vanity Call Sign. I already have Ham license plates on my Explorer, I am on my second set of QSL and eyeball cards due to an address change, and have had my experience in dealing with the FCC directly already to obtain that address change. So I figured I was ready to tackle applying for that Vanity Call now. After deciding what I would like it to be, I logged onto the ULS at the FCC and searched to see if the call was available or not. I checked several permutations of my original call to see, and surprisingly the one I wanted was actually available. It had belonged to another Ham who had let it lapse for one reason or another. After 2 years and 1 day, the FCC canceled it and it became available for reassignment. I applied for it on January the 3rd of 2013 and paid an application fee of \$15 and began the wait. The word around the internet was that it typically took about 18 days or so from the application date for a Vanity Call to be completed. Guess what? I learned a valuable lesson about applying for anything at the FCC, and that was DON'T MODIFY YOUR APPLICATION AFTER SUBMITTING IT TO THE FCC. On the 15th of January I was checking progress and decided to look at the original application again. After reviewing it, I actually resubmitted it without knowing that when you did

that, it reset the clock on your application. Lost 10 days in the process, and am now looking towards a completion date of sometime after the 2nd of February before I can expect my new call. One bright note though is that from what I have read about the process in the mean time, my expiration date will ALSO be reset too. So I will have a new term of 10 years before renewal is necessary again. Getting the Vanity Call does not "renew" your license, but it does "modify" it, hence the reset. Good deal there anyway. So as of this writing I sit anxiously awaiting word that I can use my new applied for call, and begin the others changes I will need to make to bring my Ham world back into sync. I will keep you posted on how it all ends up too, so wish me luck.



On a personal note, there are services out there that will take a lot of the work out of applying for a Vanity Call Sign, for a fee. Typically they charge about \$40.00 for their services, and they purport to do most of the work for you. Not having used them, but having went directly to the FCC I found that the amount of time and work is really not that great. As long as you don't modify your original application like I did. The time it takes for the FCC to process and assign a Vanity Call is going to be the same any way you apply, but it is your choice on how you would like to do it. Good luck.

Health and Welfare Information

Tom (N6JOJ) is still making great strides in his recovery, and is now walking more than 4 miles a day around Santee Lakes. He is also back to work at the Santee Swap Meet on the first Saturday of the month too, and as usual doing a great job.

Frito (N6WKB) is back on the air with his two weekly nets, and doing well. Glad to hear him keeping the airwaves entertained with his humor and good cheer. A Busch's Baked Bean welcome back amigo, and keep up the good work. Thanks Frito!!!!

As has been reported elsewhere, it was announced that **Roy Stark (KF6NQG)** and **Lou Dunn (WA6RD)** have become silent keys. Our thoughts and prayers are with their families.

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Willy's Electronic Supply - National City
1636 D Avenue
National City, CA 91950
Ph: 619-477-2119 / FAX 619-477-2789
Monday - Friday 8:00AM - 6:00PM, PST

Willy's Electronic Supply - San Diego
4925 Mercury St
San Diego, CA 92111
Ph: 858-279-5800 FAX 858-279-5850
Monday - Friday 8:00AM - 5:00PM, PST

California Electronics & Industrial Supply
221 N Johnson Ave
El Cajon, CA 92020

Hours:
Mon-Fri 9 am - 6 pm
Sat 9 am - 5 pm
Sun 12 pm - 4 pm

2013 Arizona State Convention

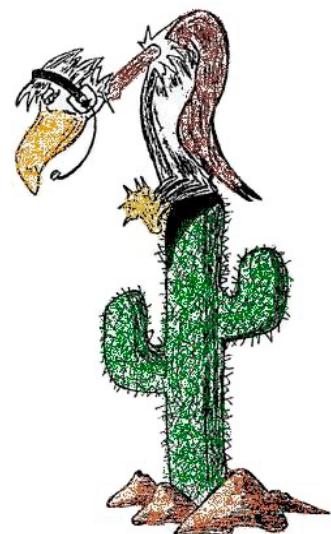
9th Annual

Yuma Hamfest

Yuma, Arizona

Feb. 15 & 16, 2013

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information
and a Current Schedule of Activities and Seminars

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Buzzard BBQ & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Famous Buzzard BBQ
ARRL Speaker
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
Incredible Grand Prizes
Emergency Preparedness
Admission Prize
Hospitality Area
Antenna Clinic & T-Hunt

Hamfest Talk-In Frequency: 146.840 (–) PL 88.5 Hz

Email Contact: info@yumahamfest.org



We are proud to have the Amateur Radio Council of Arizona (ARCA) as a sponsor of our event.

The Yuma Hamfest is an American Radio Relay League (ARRL) sanctioned event.

Presented by the Yuma Amateur Radio Hamfest Organization



Counterpoise Submissions Requested

The Counterpoise is always looking for story ideas and submissions, pictures, and upcoming news articles. You can submit by sending your content to counterpoise@wa6bgs.us in WORD or PDF format. Photos can be sent in JPG, GIF, or most any other popular formats as well. You can also use the convenient form available on the club web site at www.wa6bgs.us too. Deadline is typically 7 days after the General Membership meeting, usually held on the second Thursday of each month. All members are urged to help out the Counterpoise and keep it active and entertaining. Hope to see your submissions soon!!

Joe - KJ6VMX - Counterpoise Editor

MURPHYS SURPLUS WAREHOUSE

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EL CAJON, CA. 92020

(NEAR SAN DIEGO) 619 444 7717

FAX 444 6750 EMAIL murphy@cts.com

HOURS MONDAY THRU SATURDAY

9 AM TO 5

Harvey Hairbuckle-Ham Extroidinaire

✓
✓ WONDER if There ACTUALLY is Anyone
OUT There WATCHING?

OUT WHERE?

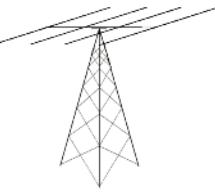
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WAMO!

Why Care?

By
Joe - KJ6VMX



As a relatively new member in the club, I did not really begin participating in the WAMO! Nets actively until November of 2012. At that point I began to realize just what the Nets actually were, and to appreciate what they could do for the club, their participants, and myself in particular. They help the club by fostering a sense of belonging amongst the members and often the beginnings of what can become long term friendships between people who might not ever have met in another way. San Diego is actually a rather large and diverse place, and with several million people, most will never have any chance of meeting or interacting with others on a regular basis. As an Amateur Radio Operator, most of us have a natural urge to communicate with others who have similar interests. It helps hone our skills, and with contact makes it easier to become friends with those we talk to. Most of the time the Nets open with a call to check in with your WAMO! number, your call sign, and your first name. From there, the evenings list of participants is built. The Net controller asks how your day was, and from that others learn a little bit about you, but most of all you begin to feel more comfortable talking on the radio, and giving up a bit about yourself too. Next there are usually announcements by any club officers on the Net. These help keep everyone better informed about club happenings and important information too. A WAMO! Net is not an exclusive club either. You do not need to be a member of the ARCEC to participate. All licensed HAMS are invited to join in and have fun. Being a member of

the ARCEC though does allow you to make contact with other members and add to your log of contacts. As you make more contacts, you work towards the goal of obtaining your WAMO! Certificate. This then shows that you have made your first 20 contacts, and been recognized by the club for that accomplishment. After that, for each 5 contacts you make you will be eligible for an added star to place on your Certificate. It takes time and some effort to build your contacts, but can be a lot of fun as you learn logging technics and other skills that assist you in using your radio more effectively. My membership number/WAMO! number is 1901. So, there have been 1900 other members in the club before I joined. Some have left the club for various reasons, moved away from the area, or sadly have become Silent Keys. With this in mind, adding to your log can become a challenge in obtaining new contacts, and that should be one of the driving goals members should strive for as making those elusive contacts can be quite difficult. I have only a couple more to go before I will be sending off a copy of my log to the WAMO! Chairman for verification, and I am anxious to make more and more contacts in the upcoming year. My personal goal is to reach 100 WAMO! contacts this year. In the past, reaching that goal would get you a nice plaque for the shack wall, and a dinner for two from a local eatery. I have hopes of assisting the club in bringing these incentives back again in the near future. Keep your eyes open for news about that. With all that in mind, back to what the Nets can do for you. After check-in and the welcome round is usually a round table round where you can talk about anything that might interest you, or if you have anything to buy/sell/or trade that is HAM

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related, you can talk about that too. Very importantly though, you can also make any WAMO! contacts your might like to make at this time. I usually have a copy of the log that I use as a rough sheet, and I write down information on it as people check-in so that I know who I might like to contact later when it is my turn. Sometimes you might not be able to make all of the contacts you like as people may check out early before you have a chance to do so. But it sure makes life easier to have your own list ready to refer to when it is time to work a WAMO! or two. Working a WAMO! is very easy. You just need to say that you would like to work a WAMO! number or more than one and proceed to do so. I usually would just say, "I would like to work WAMO! number 1914, N6FUG, Jack, the current UTC is 0418, tomorrows date. This is WAMO! number 1901, KJ6VMX, Joe, how do you copy?". Pretty easy to do as you can see. You then have all of the information needed to complete your log entry. After the Net, I usually will take a few minutes to transfer the info from my rough log to a clean log sheet, thereby building a ready to copy sheet with my contacts that I can send off for credit. Once you have done it a few times it can become almost second nature, and THAT is a good thing as it makes you much more comfortable with making contacts, and exchanging information more easily with others. A suggestion, LEARN YOUR PHONETIC ALPHABET!!!! Using the official one make everyone's life that much easier I can tell you. Back to the Net again. Once the round table is over, there is usually a 73 round. This allows for any last minute comments, and for you to say goodbye to the

participants on the Net. Remember, you can check-in late, all the way up to anytime prior to the Net closing, so don't be shy, join in. All you have to do is say, "Check-in", and the Net operator will try to acknowledge you as soon as possible. So, join in, have fun, and build up your log with those rare WAMO! numbers, or even those new ones you have just heard. I know I will be looking for YOURS on the Nets, so see you there.

Editors Notes:

In this issue of the Counterpoise you will find the most current rules of the WAMO! program, where to send completed log sheets, and the most current log sheet to use. With this info, you should have no problems participating in the various Nets on Wednesday and Saturday. If you have ANY questions or problems, PLEASE contact ANY club officer or Board member, or the WAMO! Chairman and they will either help you directly or assist you in gaining the info you require. Get involved and make some new friends. Help your fellow HAMS to become better communicators. Most of all, have fun and use your radio more. Thanks all.

73 - Joe - KJ6VMX

Work All Members Once



Current WAMO! Rules

For 2013

1. WAMO! award is given by the Amateur Radio Club of El Cajon to all fellow amateurs in San Diego County who can successfully work 20 active members of this club who are in good standing at the time they are worked. WAMO! award is given to those amateurs who are not in San Diego County but successfully work 10 members in the ARC of El Cajon, who are in good standing at the time of contact.
2. A contact shall be valid when you successfully QSO a member of the club. All WAMO! contacts are with members not necessarily with his station call. If you should work a member who is legally operating another station under a different call sign from his own, you may count that QSO as a valid WAMO! contact. A valid contact must be with a member who is responsible for the operation of that station at the time you work him. You may not count other members as a WAMO! contact if they are just "visiting" or are not the official operator of that station.
3. The contact will be invalid if either operator is operating in violation of FCC rules and regulations at the time of the contact. All WAMO! contacts must be initiated via Amateur Radio.
4. Only one contact with each member will count toward the WAMO! award, regardless of the band or mode of subsequent contacts.
5. After reaching WAMO! status, (making enough contacts to Qualify in 1. or 2. above), you may then begin to work toward endorsements. Endorsement stickers will be given for each group of 5 additional members worked, regardless of whether you reached WAMO! at 10 or 20 contacts. (Refer to Item No. 1 above.)
6. WAMO! awards and endorsements are given only at the regularly-scheduled monthly meetings of the club, providing the recipient lives within a 25-mile radius of El Cajon. Those amateurs achieving WAMO! status who live outside the 25-mile radius of El Cajon may apply for the award by mail.
7. All WAMO! awards are numbered numerically and sequentially, beginning with the first award. The earliest log date will determine the next number when more than one award is to be given at any one time.
8. All decisions concerning this award shall be made by the WAMO! Chairman. Final judgment as to the validity of the contacts shall be at the full discretion of said Chairman. The official rules are as stated within this log.
9. WAMO! logs may be provided by the club, but other logs are acceptable, providing proper information is given for each contact made.
10. The purpose of WAMO is to encourage people to people communication between club members and to publicize the name of the club among fellow amateurs.

Work All Members Once



**Submit your logs by mail, email or in person at a meeting to the
WAMO! Chairman, or any club officer.**

MAIL a copy of your WAMO! LOGS To:

**Amateur Radio Club of El Cajon Inc.
Attn: WAMO! Chairman
PO Box 50
El Cajon, CA 92022**

**eMail a scan of your log to:
WAMO@WA6BGS.US**

Be sure to retain a copy of the logs for your records. All club members should participate in the WAMO! program and on the various Nets TODAY and get to know other members and Hams in the area, and just have some fun on the air.



The **AMATEUR RADIO CLUB OF EL CAJONTM**
WA6BGS

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

WAMO! Award for _____

Name _____ Address _____

Phone # _____ Email Address _____

	WAMO#	Station Worked	Handle	UTC Time	Date	Frequency
1						
2						
3						
4						
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8						
9						
10						
11						
12						
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18						
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The AMATEUR RADIO CLUB OF EL CAJON Inc.

WA6BGS

Post Office Box Fifty, El Cajon California 92022

Founded 1960 ~ Incorporated 1976

Please fill out this form and see the options at the bottom for Submitting options

Date of Application: _____

Amount Paid: \$ _____ Cash or Check Check #: _____

Membership Type: Individual (\$20) Family (\$35)

Membership Status: New Renewal Returning Member

Call Sign: First Name: Last Name: WAMO # (If renewing or returning):

ARRL Member: Yes No

License Class: Technician General Extra

Address: City: State: Zip: PO Box:

Email ID: Phone:

Would you like a member badge? Yes No

Add Additional Members Here (Family Package):

First Name	Last Name	Call Sign	License Class	Wamo #	Badge
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>
					<input type="radio"/>

Submitting This Form

To submit this form mail it to P.O. Box 50 El Cajon, 92022

-OR-

Bring to the next club meeting or go to www.wa6bgs.us and join on line (click on Club info / Join)

Cash Payments - Get a Receipt from the Club Treasurer. Make all checks payable to AMATEUR RADIO CLUB OF EL CAJON, Incorporated. Receipts for payments by check will be sent by email or regular mail by the Club Treasurer.

Members with FCC Call Signs are Full Members with voting privileges, Members without FCC Call Signs are Associate members without voting privileges

YOUR DUES ARE TAX DEDUCTABLE: Amateur Radio Club of El Cajon, Inc. is a 501©7 Corporation. Donations are NOT tax Deductable.